

Other: Dynamic Aviation B200 T 09/02/17 Science Report

Aircraft: Other: Dynamic Aviation B200 T - 17M048

Date: Saturday, September 2, 2017

Mission Location: Kangerlussuaq, Greenland

Mission Summary:

All,

LVIS successfully completed a flight to the Helheim/Kangerdlussuaq area today. We flew the 2 grid lines closest to the coast as well as transiting to and from along transit/K-transect (though predicted cloudy) since no impact to flight time.

A stronger than forecast tail/head wind and impacts to fuel meant that we were not able to fly the short lines over Kangerdlussuaq glacier - though we have another chance to get these on a second flight to this area. Data collection along the lines was clear with LVIS and the camera operating normally. Although cloudy on the transits, the laser was able to often range to the surface meaning elevation measurements were collected en route particularly on the eastern side of the island. The transit along the K-transect was too cloudy for surface returns.

Tomorrow will be a down day and we will start ops again on Monday.

Thanks!

Michelle

Submitted by: J. Bryan Blair on 10/05/17

File:

 [lvis_closeHelKang1_902.pdf](#)

Related Flight Report:

Other: Dynamic Aviation B200 T 09/02/17

Flight Number: OIBSM17-SciF05

Payload Configuration: OIB-LVISF2017

Nav Data Collected: No

Total Flight Time: 5.6 hours

Submitted by: J. Bryan Blair on 10/04/17

Flight Segments:

From:	BGSF	To:	BGSF
Start:	09/02/17 12:40 Z	Finish:	09/02/17 18:16 Z
Flight Time:	5.6 hours		
Log Number:	17M048	PI:	Nathan Kurtz
Funding Source:	Bruce Tagg - NASA - SMD - ESD Airborne Science Program		
Purpose of Flight:	Science		

Flight Hour Summary:

	17M048
Flight Hours Approved in SOFRS	123
Total Used	128.5
Total Remaining	-5.5

17M048 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
08/16/17	OIBSM17-TF01	Check	2.1	2.1	120.9	
08/17/17	OIBSM17-TF02	Check	4	6.1	116.9	
08/19/17	OIBSM17-TF03	Check	2.6	8.7	114.3	

08/21/17	OIBSM17-TF04	Check	2.4	11.1	111.9
08/21/17	OIBSM17-TF04	Check	1.7	12.8	110.2
08/22/17	OIBSM17-FF01	Ferry	2.2	15	108
08/22/17	OIBSM17-FF01	Ferry	3.1	18.1	104.9
08/23/17	OIBSM17-FF02	Ferry	4	22.1	100.9
08/24/17	OIBSM17-FF03	Ferry	3.6	25.7	97.3
08/25/17	OIBSM17-SciF01	Science	5.3	31	92
08/29/17	OIBSM17-SciF02	Science	7	38	85
08/30/17	OIBSM17-SciF03	Science	5.5	43.5	79.5
09/01/17	OIBSM17-SciF04	Science	4	47.5	75.5
09/02/17	OIBSM17-SciF05	Science	5.6	53.1	69.9
09/04/17	OIBSM17-SciF06	Science	7.7	60.8	62.2
09/05/17	OIBSM17-SciF07	Science	7.3	68.1	54.9
09/06/17	OIBSM17-SciF08	Science	4.2	72.3	50.7
09/09/17	OIBSM17-SciF09	Science	6.5	78.8	44.2
09/12/17	OIBSM17-SciF10	Science	5.9	84.7	38.3
09/12/17	OIBSM17-SciF11	Science	5.1	89.8	33.2
09/13/17	OIBSM17-SciF12	Science	6	95.8	27.2
09/18/17	OIBSM17-SciF13	Science	4.4	100.2	22.8
09/19/17	OIBSM17-SciF14	Science	6.6	106.8	16.2
09/20/17	OIBSM17-SciF15	Science	6.5	113.3	9.7
09/21/17	OIBSM17-FF04	Ferry	4.1	117.4	5.6
09/22/17	OIBSM17-FF05	Ferry	4	121.4	1.6
09/22/17	OIBSM17-FF05	Ferry	2.1	123.5	-0.5
09/22/17	OIBSM17-FF05	Ferry	1	124.5	-1.5
10/05/17	OIBSM17-TF05	Check	4	128.5	-5.5

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

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